

KINGYIELD®

Lead a Healthy Life.....

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0197



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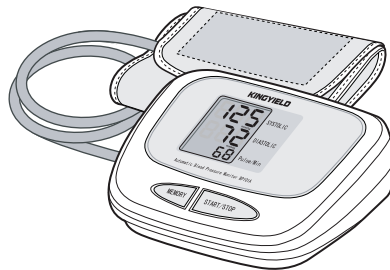
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KINGYIELD®

Lead a Healthy Life...

Instruction Manual

Fully Automatic Upper Arm Style
Digital Blood Pressure Monitor
Model No.:BP101A



- Thanks for choosing the Digital Blood Pressure Monitor.
- Please read this instruction manual before using your unit.
- Please keep this instruction manual safe for future use.

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Introduction

- Thank you for purchasing KINGYIELD Fully Automatic Upper Arm Style Digital Blood Pressure Monitor.
- The unit uses the oscillometric method of blood pressure measurement. It means the unit detects the movement of your blood through your brachial artery, and converts your blood pressure into a digital reading. The unit is simple to use because a stethoscope is not needed while using an oscillometric monitor.
- The unit stores automatically 60 sets of measurement values. You can read the stored data conveniently by pressing the memory button.



Type B applied part



Attention, consult ACCOMPANY DOCUMENTS

Important Safety Notes

To assure the correct use of the product basic safety measures should always be followed including the precautions listed below:

- Read all information in the instruction manual and any other literature included in the box before using the unit.
- Contact your physician for specific information about your blood pressure. Follow the instructions of your healthcare provider.
- Operate the unit only as intended. Do not use for any other purpose.
- The unit is intended to use in measuring blood pressure and pulse rate for adult only, not recommended for neonatal baby.
- Do not use a cellular phone near the unit. It may result in operational failure.
- Please avoid using in high radiant area in order to make your measuring data correctly.
- Do not disassemble or attempt to repair the unit or components.



Do not use the equipment where flammable gas (such as anesthetic gas, oxygen or hydrogen) or flammable liquid (such as alcohol) are present.

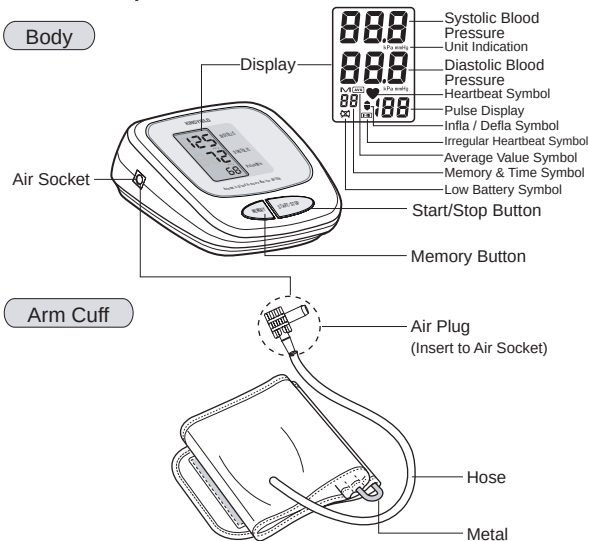


Symbol for the marking of electrical and electronics devices according to Directive 2002/96/EC.

The device, accessories and the packaging have to be disposed of waste correctly at the end of the usage.
please follow Local Ordinances or Regulations for disposal.

Know Your Unit

Each of Components



- ⚠ If your arm cuff is broken or not functional. Please use a new cuff.
- ⚠ A new arm cuff does not include an air plug. Please continue to use the old air plug on the new arm cuff.

Power

- 4 AA Alkaline Batteries



- ⚠ Warning: do not use rechargeable batteries

Instruction Manual

- Please keep the instruction manual well after using.

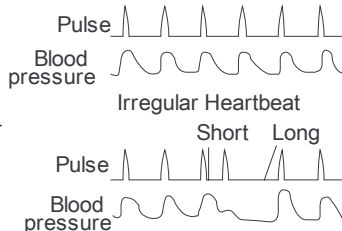
Unit Display

Irregular Heartbeat Symbol (IHB)

When the unit detects an irregular rhythm two or more time during the measurement, the irregular heartbeat Symbol will appear on the display with the measurement values.

Normal Heartbeat

An irregular heartbeat rhythm is defined as a rhythm that is more than 25% slower or 25% faster from the average rhythm detected while the monitor is measuring the systolic blood pressure and the diastolic blood pressure.



If the Irregular Heartbeat Symbol (IHB) displays with your measurement results, we recommend you consult your physician. Follow the directions of your doctor.

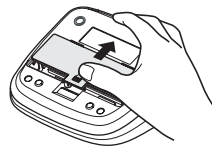
Before Taking A Measurement

1. Avoid eating, drinking, alcohol, smoking, exercising and bathing for 30 minutes before taking a measurement. Rest for at least 15 minutes before taking the measurement.
2. Stress raises blood pressure. Avoid taking measurements during stressful times.
3. The cuff can be applied to your left or right wrist.
4. Measurements should be taken in a quiet place.
5. Position the unit at heart level throughout the measurement.
6. Remain still and do not talk during the measurement.
7. Keep a record of your blood pressure and pulse readings for your physician. A single measurement does not provide an accurate indication of your true blood pressure. You need to take and record several readings over a period of time. Try to measure your blood pressure at the same time each day for consistency.
8. Wait 30~60 seconds between measurements.
The wait time allows the arteries to return to the condition prior to taking the blood pressure measurement. You may need to increase the wait time depending on your individual physiological characteristics.

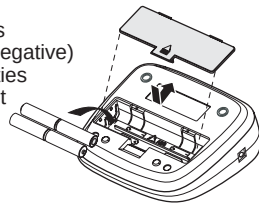
Battery Installation / Replacement

How to Install Battery.....

- 1 Remove the battery cover from the battery compartment.

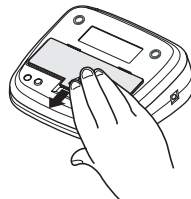


- 2 Install 4 "AA" size batteries so the + (positive) and - (negative) polarities match the polarities of the battery compartment as indicated.



- 3 Replace the battery cover.

⚠ The battery cover will be closed tight when you hear a clicking sound.



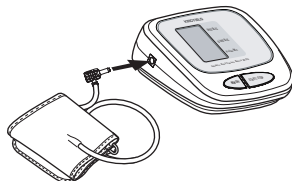
Caution!

- Use four identical 1.5V alkaline batteries type AA LR6.
- Replace all of the batteries if the symbol of low battery appears on the display.
- Never leave any low battery in the battery compartment since they may leak and cause damage to the unit.

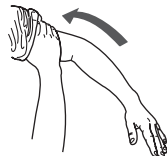
Proper Use of the Arm Cuff

How to Use the Arm Cuff

- 1 Make sure the air plug is inserted properly in the main unit.



- 2 Remove all clothes from your upper arm allowing the cuff to fit directly on the skin.



- 3 Sit in a chair with your feet flat on the floor. Place your arm on a table so as to level the cuff to your heart.

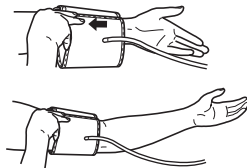


- 4 Pass the end of the cuff through the metal, and keep the hose outward.

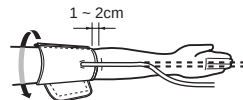


Proper Use of the Arm Cuff

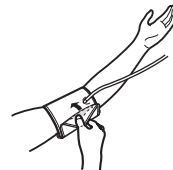
- 5 Put your arm through the loop, and pull it up to the position of your upper arm.



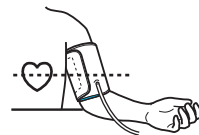
- 6 The hose runs down the inside of your arm. The bottom of the cuff should be approximately 1~2cm above your elbow.



- 7 Wrap the cuff tightly around your upper arm. Not more than 2-finger-room allowed between the cuff and your arm.



- 8 Have your upper arm relax, keep your palm up and your fingers curving naturally, then turn on the unit and start to measure.

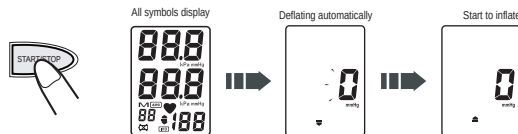


Take a Measurement

How to Take a Measurement

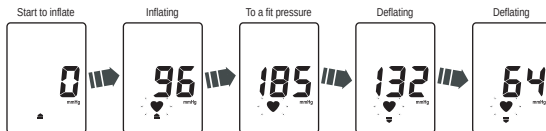
1 Press the START/STOP button.

All display symbols appear on the screen. The cuff starts to inflate automatically.



2 Inflation stop automatically and the measurement is started.

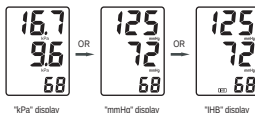
The heartbeat symbol flashes once a pulse is detected.



3 The blood pressure and pulse rate are displayed when the measurement completed.

The cuff is deflated automatically, and the measurement results are stored in the memory.

The IHB symbol will be displayed if arrhythmia is detected.



4 Press the START/STOP button to turn off the unit.

The unit will automatically turn off after 2 minutes if you have forgotten to turn off it.

※ INSTRUCTIONS FOR SPECIAL CONDITIONS

In order to ensure the accuracy of the measurement for the systolic pressure more than 180 mmHg, press and hold the memory button until the unit inflates 30 to 40 mmHg higher than your suspected systolic pressure if you know. (The unit will not inflate above 299 mmHg).

Please rest for at least 3 minutes before taking the next measurement.

Use the Memory Function

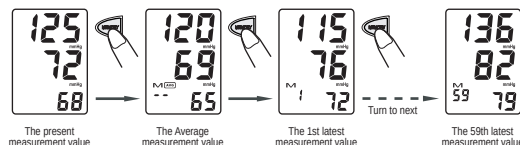
How to Use the Memory Function

■ The unit stores the blood pressure and pulse rate in the memory after completing a measurement every time. It can automatically store 60 sets of measurement values. The oldest record is deleted to save the latest measurement value when more than 60 sets.

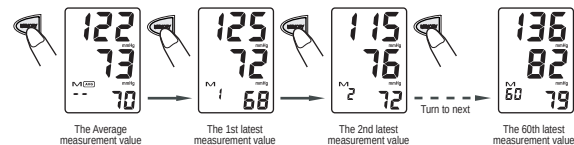
■ The unit also calculates an average reading based on the values of the latest 3 times measurement taken. You can get the average measurement value when you press the memory button for the first time. Press the memory button for the second time, you can get the latest measurement value, so on and so forth.

■ The symbol "M" and the relative times will appear at the same time after you press the memory button.

► The display method of memory values before turning off the unit when a measurement completed.

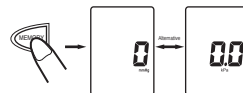


► The display method of memory values when the unit is powered off.



Unit Setting (kPa or mmHg)

Long press the memory button for 3~4 seconds until the units displayed when the unit powered off.



Memory Values Cleaning out

Long press the memory and start/stop button for 3~4 seconds until the value cleaned out when reading the memory values.



About Blood Pressure

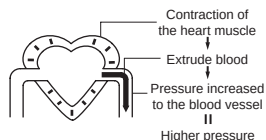
Blood Circulation

The blood circulation is responsible for supplying the body with oxygen. Blood pressure is the pressure exerted on the arteries.

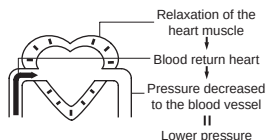
The systolic blood pressure value (higher pressure or top value) represents the blood pressure produced by contraction of the heart muscle.

The diastolic blood pressure value (lower pressure or lower value) represents the blood pressure produced by relaxation of the heart muscle.

Systolic Blood Pressure

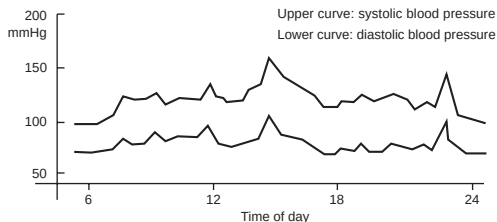


Diastolic Blood Pressure



Health and Blood Pressure

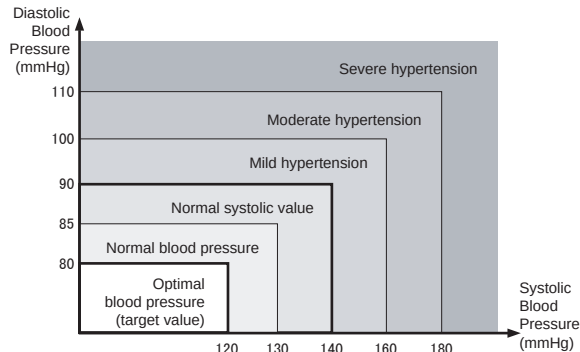
The incidence of hypertension increases with age. In addition, a lack of exercise, excess body fat and high levels of cholesterol (LDL), which sticks to the inside in blood vessels, reduces elasticity of these vessels. Hypertension accelerates arterial sclerosis which can lead to very serious conditions such as stroke and myocardial infarction. For these reasons it is very important to know whether the blood pressure is within a healthy range. Blood pressure fluctuates from minute to minute, throughout the day. Therefore it is essential to take regular measurements to help you identify an average blood pressure.



About Blood Pressure

Classification of Blood Pressure

According to the blood pressure classification by the WHO / ISH.



Symptoms of High Blood Pressure

High blood pressure can go unnoticed for a long time, since it doesn't cause noticeable symptoms. The following are all possible causes of abnormally high blood pressure:

- Overweight;
- High cholesterol level;
- Smoking;
- Excessive alcohol consumption;
- Stress and emotional upset;
- Excessive consumption of salt;
- Lack of physical exercise;
- Genetic / hereditary predisposition;
- Underlying illnesses, such as kidney disorders or endocrine disturbance.

Treatment of High Blood Pressure

If your blood pressure reaches upper values of 140-160 mmHg and lower values of 90-95 mmHg in repeated measurements over several days, you should consult your doctor for detailed medical examination. You can assist the treatment prescribed by your doctor in the following ways:

- Loose weight and lower your cholesterol level;
- Reduce the consumption of alcohol;
- Reduce the intake of salt;
- Stop smoking;
- Take regular exercise;
- Monitor your blood pressure.

Exceptional Situations

Error Indicators

The following symbol will appear on the display when measuring abnormal.

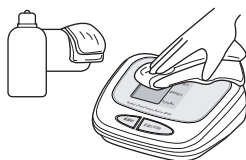
Symbol	Cause	Correction
	The course of inflating appears error.	Wrap the cuff properly.
		Make sure that the air plug is properly inserted in the unit.
		Inflate over again after ensuring.
	When measurement fails.	Do not move your arm and body, and keep quiet.
		Measure over again according to correct way.
	When the batteries power are too low.	Replace all of the worn batteries with new ones.

Eliminate Fault

Problem	Causes and Solutions
No power.	Replace all the worn batteries with 4 new ones.
No display appears on the display screen.	Check the battery installation for proper placement of the batteries polarities.
Measurement values appear too high or too low.	Blood pressure varies constantly. Many factors including stress, time of day, how you wrap the cuff, may affect your blood pressure. Review the sections "Proper Use of the Arm Cuff" and "Take a Measurement".

Care and Maintenance

- Keep the unit in the storage case when not in use.
- Clean the unit with a soft dry cloth. Do not use any abrasive or volatile cleaners.
- Never immerse the unit or any components in water

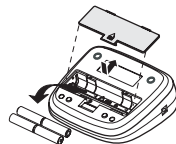


Maintenance

- Do not clean the body and cuff with naphtha, thinner or gasoline etc.
- Do not wet the cuff or attempt to clean the cuff with water.



- Store the unit in a clean and dry location. Do not subject the unit to extreme hot or cold temperature, humidity and direct sunlight.
- Remove the batteries if the unit will not be used for 3 months or longer. Always replace all of the batteries with new ones at the same time.



※ Use the unit consistent with the instructions provided in this manual.
Use only authorized parts and accessories.

Specifications

Model No.		BP101A
Display		LCD Digital Display
Measuring Principle		Oscillometric Method
Measurement Localization		Upper Arm
Measurement Range	Pressure	0 to 299 mmHg (0 ~ 39.9 kPa)
	Pulse	40 to 199 Pulses/min
Accuracy	Pressure	± 3 mmHg (0.4 kPa)
	Pulse	$\pm 5\%$ of reading
LCD Indication	Pressure	3 Digits Display of mmHg or kPa
	Pulse	3 Digits Display
	Symbol	Memory/Heartbeat/Low Battery/IHB, etc.
Inflation		Automatic by Internal Pump
Deflation		Automatic by Air Valve
Rapid Air Release		Automatic by Air Valve
Memory Function		Memory 60 Sets of Measurement Values
Power Source		4 AA Alkaline Batteries; D.C. 6V
Automatic Power-Off		In 2 Minutes
Main Unit Weight		Approx. 280g (Batteries not included)
Cuff		Soft Arm Cuff
Accessorial Components		Cuff, Instruction Manual
Operating Environment	Temperature	10 ~ 40°C (50 ~ 104°F)
	Humidity	15 ~ 90%RH (Noncondensing)
	Barometric Pressure	105 ~ 80 kPa
Transport and Storage Environment	Temperature	-20 ~ 60°C (-4 ~ 140°F)
	Humidity	10 ~ 95%RH (Noncondensing)

Statement

- The intended use: The unit is intended to be used by adults at home or medical centre to measure blood pressure and pulse rate from the upper arm.
- The unit satisfies the requirements of IEC60601-1 Medical electrical equipment, EN1060-1: Non-invasive sphygmomanometer, EN1060-3: Non-invasive sphygmomanometer
- The unit has passed the EMC Test.
- Blood pressure measurements determined with this device are equivalent to those obtained by a trained observer using the cuff/stethoscope auscultatory method, within the limits prescribed by the American National Standard, Manual, electronic, or automated sphygmomanometers.
- The risk of patient and user can be lowered to acceptable level.
- Substitution of a cuff different from that supplied might result in measurement error.
- Specifications are subject to change without notice due to improvements in performance.
- Federal law restricts this device to sale by or on the order of a physician.
- Equipment not suitable for use in the presence for flammable mixtures
- The unit might not meet its performance specifications if stored or used outside the following specified temperature and humidity ranges

Warranty Information

- The unit, excluding the unit cuff, is guaranteed to be free of defects in workmanship and materials for a period of two years from the date listed on the purchase record, when used in accordance with the instructions provided with the unit. The unit cuff is warranted to be free from defects in materials and workmanship appearing within one year from the date listed on the purchase record when the unit is used in accordance with the instructions provided with the unit.
- For repair under this warranty, Our authorized service agent must be advised of the fault within the period of the warranty. This warranty covers parts and labor only under normal operations. A transportation fee or freight fee that may be incurred will be the owner's responsibility. Any defect resulting from natural causes, e.g., flood, hurricane etc., is not within this guarantee. This guarantee does not cover damage incurred by: use of the unit not in accordance with the instructions, accidental damage, or being tampered with or serviced by unauthorized service agents.
- Unit subjected to misuse, abuse, and neglect of these manual content, non-instructional purposes; unauthorized repair or modifications will be excluded from this warranty. This guarantee specifically excludes expendables and consumables, for example batteries. All warranty claims must be directed to the distributor responsible for the sale of the device. The content of this warranty is subject to change without further notice.
- Periodical check:
Sensitive measuring devices must be checked from time to time for accuracy and leakage, we therefore recommend that the performance should be checked every 2 years
Check and maintenance and repair for the unit, please contact the local distributor for details.

Notes